

Report Date: 21 May 2014

**Summary Report for Individual Task
551-88U-3300
Coordinate Re-Railing Operations
Status: Approved**

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: Assigned as a Railway Specialist on the site of a wrecked train advising COCOM/HN personnel, given an Operations Order/Operations Plan (OPORDER/OPLAN), Personal Protective Equipment, completed risk assessment, rail crew, appropriate equipment, and required references, in all weather conditions, day or night, in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Ensure the rail crew reviews rail report and identifies the individual steps needed prior to the performance and preparation of the train for re-railing. Observe the de-railment site and the techniques used by train crew for re-railing the train. Ensure rail crew performs this task without causing any injury to personnel or damage to equipment. Advise the rail crew on observations/recommendations about their performance and report findings to all supervisors.

Special Condition: None

Safety Risk: Medium

MOPP 4: Sometimes

Task Statements

Cue: Your ERC team has been given an OPORDER/OPLAN to advise the COCOM/Host Nation on Re-railing procedures.

DANGER

Working around live tracks is always dangerous. Follow all safety procedures outlined in the GCOR. Install portable derail or flag protection IAW GCOR and FM 4-01.41.

WARNING

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CAUTION

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Remarks: None

Notes: None

Performance Steps

1. Verify wreckmaster reviewed conductors preliminary rail accident report.
 - a. Determine risk assessment of re-railing operations has been reviewed.
 - b. Determine type of rail equipment to be used.
 - c. Determine type of lading.
2. Verify clearing of the rail line.
 - a. Determine decisive factors.
 - (1) Identify number of cars and locomotives.
 - (2) Identify location of cars and locomotives.
 - (3) Identify contents of cars.
 - (4) Identify land conditions.
 - b. Ensure proper use of re-railers.
 - c. Ensure clearance of severely damaged cars or locomotives from track right-of-way.
 - d. Ensure removal of unaffected equipment from site.
3. Confirm actions with dispatcher are coordinated.
4. Confirm actions with Maintenance-of-Way supervisor are coordinated.
5. Verify that available equipment has been identified.
 - a. Determine type of wreck crane to be used.
 - (1) Review operating characteristics.
 - (2) Review cab controls
 - b. Determine type of rope to be used.
 - (1) Review purpose of material.
 - (2) Review safety factor of material.
 - c. Determine condition of chains.
 - d. Determine characteristics of blocks.
 - (1) Review purpose of block.

- (2) Review type of blocks
- (3) Review classification of blocks.
- (4) Review cable sizes.
- e. Determine safe hook characteristics.
 - (1) Review physical condition of hook.
 - (2) Review safe load limitations.
- f. Determine safe crane rigging.
- 6. Verify the performance of pre-operational checks.
 - a. Check equipment servicing.
 - b. Check decks and platforms.
 - c. Check brakes, clutches, and switches.
 - d. Check cables.
- 7. Confirm crane safety considerations are enforced (as applicable).
 - a. Define responsibilities.
 - b. Ensure individual has been designated for giving visual signals.
 - c. Identify power lines.
 - d. Observe movement in tow procedures.
- 8. Verify crane safe load precautions are being enforced.
 - a. Confirm that all safety factors and rules have been reviewed.
 - b. Confirm that safety procedures have been explained.
 - c. Verify that safe working loads are selected.
- 9. Oversee preparation for lifting.
 - a. Ensure calculation of total weight of proposed lift.
 - b. Ensure load is secured.
 - c. Ensure break tests are performed before load is raised.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If any performance measure is failed, tell the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: Setup: Provide the soldier with a derailed locomotive, rail crew, AR 56-3, FM 4-01.41 and necessary equipment for re-railing.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Verified wreckmaster reviewed conductors preliminary rail accident report.			
2. Verified clearing of the rail line.			
3. Confirmed actions with dispatcher were coordinated.			
4. Confirmed actions with Maintenance-of-Way supervisor were coordinated.			
5. Verified that available equipment was identified.			
6. Verified the performance of pre-operational checks.			
7. Confirmed crane safety considerations were enforced (as applicable).			
8. Verified crane safe load precautions were being enforced.			
9. Oversaw preparation for lifting.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 56-3	MANAGEMENT OF ARMY RAIL EQUIPMENT	Yes	No
	ATP 4-14	Expeditionary Railway Center Operations	No	No
	FM 4-01.41	ARMY RAIL OPERATIONS	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

It is the responsibility of all Soldiers and DA civilians to protect the environment from damage. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across Doctrine, Organization, Training, Material, Leadership and Education, Personnel and Facilities (DOTMLPF) and ensure all training procedures; materials and doctrine include sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. This Training Support Package meets this standard.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

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All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-6-0004	Coordinate Use of Host Nation or Contracted Rail Assets	55 - Transportation (Collective)	Approved
55-6-0002	Perform Railway Motive Power and Rolling Stock Capability Assessment	55 - Transportation (Collective)	Approved